

IN THE ABSTRACT

Please replace the original abstract with the abstract submitted herewith.

ABSTRACT

A device for detecting surface defects (2) on the neck ring (3) of a container comprises:

- a light source (5) illuminating, by means of an incident light beam, a section of the surface of the neck ring of the container, along a determined incident direction (D_i),
- at least one linear sensor (10) measuring light beams, arranged to receive the light beam reflected by the surface defect, the angle (α) between the incident (D_i) and reflection (D_r) directions lying between 15 and 45°, preferably in the order of 30°, one of the directions being parallel to the axis of revolution of the container,
- means (15) for ensuring the rotation of the container about the axis of revolution through at least one rotation,
- and a unit (16) for analysing and processing light beams received by the linear sensor, to identify the presence of a surface defect.